

CLAIMS

I claim:

1. The apparatus comprising

5 an organizer console for an airplane cockpit comprising

a box-like structure having first and second opposing sides, first and second
opposing ends and a bottom side adjacent the first and second sides and the second
end, and an open top, with each side having an internal and an external face and

10 at least one attachment part that is affixed to the external face of at least one of the
sides and ends,

at least one of an accessory module and a mounting bracket, wherein the at least one of an
accessory module and a mounting bracket has an attachment part adapted to releasably
mate with at least one of the at least one attachment parts affixed to the organizer console.

2. The apparatus of claim 1 wherein said organizer console further comprises

15 at least one internal wall between the first and second ends which extends from the first
side to the second side.

3. The apparatus of claim 2 wherein at least one of the at least one internal walls is removably attached to the first and second sides.

4. The apparatus of claim 2 wherein said first and second sides of said organizer console include a plurality of spaced vertical rows of holes adapted to accept removable rivets,
5 wherein the spaced vertical rows of holes may be used with removable rivets to selectively position at least one of the at least one removably attached internal walls.

5. The apparatus of claim 1 wherein said structure further includes an internal floor positioned between the bottom side and the open top, wherein the internal floor creates a bottom compartment.

10 6. The apparatus of claim 5 wherein at least one of the first and second ends includes a hinged and latchable access door to the bottom compartment.

7. The apparatus of claim 1 wherein

the first and second sides each have an upper edge wherein a portion of the upper edge

15 which is adjacent the first end has a rounded step shape.

8. The apparatus of claim 6 wherein

the first and second sides each have a bottom edge, wherein each bottom edge has a portion adjacent the second end that is horizontal and a portion that is adjacent the first end which angles toward the first end and the internal floor,

wherein the bottom side is joined to the horizontal portion of the bottom edges and extends from the first side to the second side of the organizer console, and

wherein the organizer console further comprises a recessed wall, which is vertical when the organizer is in an upright position, which comprises a first end to the bottom compartment.

9. The apparatus of claim 1 wherein

the first and second sides include bottom edges, at least a portion of which are horizontal when the organizer console is in an upright position, and

wherein the bottom side is elevated above the bottom edges of the first and second sides.

10. The apparatus of claim 1 wherein the apparatus further comprises the cockpit of an aircraft.

11. The apparatus of claim 1 wherein the first and second sides have upper edges and

wherein the organizer console further comprises an armrest module said model
comprising

a box like container having a bottom, a top, and first and second ends,

wherein the top comprises a hinged lid,

at least two armrest module attachment parts each comprising a rail having
an upper surface and a lower surface and a hinge portion, wherein the

lower surface comprises an inverted U-shaped channel adapted to rest on

the on the upper edges of the first and second sides of the organizer

console, wherein the upper surface comprises a track, and wherein the rails

are attached at the hinge portion to the first and second sides of the

organizer console respectively are adapted to rotate the armrest module

between an open and a closed position relative to the organizer console,

at least two rails affixed to the bottom of the container, each of which is

adapted to mate with the track in an upper surface of the armrest module

attachment part, wherein each rail is moveable within the corresponding

track permitting the armrest module to be selectively positioned relative to

the first and second ends of the console when armrest module is in the closed position.

12. The apparatus in claim 11 wherein the armrest module further comprises at least one tension screw passing through the bottom of the container adjacent at least one of the tracks, wherein the tension screw is adapted to increase or decrease the resistance to movement of the armrest module with respect to the organizer console.

13. The apparatus in claim 11 wherein the mating cross sections of the tracks and the rails have shapes approximating a keyhole.

14. The apparatus of claim 11 wherein the armrest module further comprises at least one attachment part affixed to at least one of the ends of the container.

15. The apparatus of claim 14 wherein at least one of the at least one attachment parts comprises a T-shaped track.

16. The apparatus of claim 5 wherein the first and second sides include corresponding steps, wherein the organizer console includes a portion above the steps and a portion below the steps wherein the portion of the organizer console below the steps comprises the bottom compartment, and wherein the bottom compartment is wider than the portion of the organizer console above the stepped portion.

17. The apparatus of claim 5

wherein the first and second sides of the organizer include lower edges and wherein the lower edges include a horizontal portion, an upward slope, and a step

wherein the bottom side is characterized by a contour and wherein the contour conforms to the lower edges of the first and second sides, creating a first, second, and third portions of the organizer console, and

wherein the bottom compartment corresponds to a first portion of the organizer console, and

wherein the portions of the bottom side of the organizer console are adapted to rest on corresponding portions of a floor of an airplane cockpit.

18. The apparatus of claim 1 wherein at least one of the at least one attachment parts is a track characterized by a T-shaped cross section.

19. The apparatus of claim 1 wherein at least one of the at least one of an accessory module and mounting bracket comprises at least one of a cupholder, an LED emergency light, a wastebasket, an oxygen tank mount, a fire extinguisher mount, and a GPS mount.

20. The apparatus of claim 14 wherein the organizer console further comprises at least one mounting bracket is a mounting bracket and wherein the at least one mounting bracket is characterized by having a first and second arm separated by an angle greater than or equal to ninety degrees and wherein each of the first and second arms include an attachment part that is adapted to mate with at least one of the at least one attachment parts on the organizer console or on an accessory module.

21. The apparatus of claim 5 wherein the bottom compartment includes an emergency battery module wherein the emergency battery module comprises

a tray adapted to hold and move a battery into and out of the bottom compartment

a panel adjacent to the tray and separated from the tray by an angle of approximately ninety degrees wherein the panel is operative to close the bottom compartment when the emergency battery module is in the bottom compartment

a battery

an access port that is operatively connected to the battery.

22. The apparatus of claim 21 wherein the access port is power jack of the cigarette lighter type.

23. The apparatus of claim 20 wherein at least one of the at least one attachment parts on the armrest module includes a track having a T-shaped cross section, and wherein the at least one mounting bracket includes a rail having a T-shaped cross section adapted to mate with the at least one attachment part on the armrest module, and

5 wherein the apparatus further comprises an accessory module attached to at least one of the at least one mounting bracket, wherein the accessory module is selected from the group of a clipboard and a computer laptop tray, wherein the accessory module attached to the at least one mounting bracket includes an attachment part that is adapted to mate with the attachment part on the at least one mounting bracket.

10 24. The apparatus of claim 20 wherein the organizer console further comprises:

at least one of a computer laptop tray, a clipboard, and an armrest extension
attached to at least one of the at least one mounting brackets.

25. A method for organizing flight accessories comprising

selecting an organizer console having an interior cavity wherein the organizer console has
15 dimensions adapted to fit between a pilot's seat and an adjacent seat in a cockpit of an airplane,

customizing said organizer console by attaching at least one of an accessory module and a mounting bracket to the organizer console using at least one track and rail attachment part.

26. The method of claim 25 further comprising attaching an armrest module to the console using hinged rails wherein the armrest module is operative to rotate between a closed position and an open position, wherein in the open position the interior cavity of the organizer console is exposed.

27. The method of claim 26 wherein the armrest module has an exterior surface and wherein the exterior surface includes at least one LED light.

28. The method of claim 26 further comprising attaching at least one of an accessory module and a mounting bracket to the armrest module using at least one track and rail attachment.

29. The method of claim 28 wherein

at least one of the at least one of an accessory module and mounting bracket attached to the armrest module is a mounting bracket, and

wherein the method further comprises attaching at least one accessory module to the mounting bracket using at least one track and rail attachment part.

30. The method of claim 29 wherein the at least one accessory module attached to the mounting bracket includes at least one of a computer laptop tray, a clipboard, and an armrest extension.

5 31. The method of claim 28 wherein at least one of an accessory module and a mounting bracket is an accessory module comprising an armrest extension which includes an integrated mounting bracket.

10 32. The method of claim 25 wherein at least one of the at least one of an accessory module and a mounting bracket is an accessory module and is selected from the group comprising a cupholder, an LED emergency light, a wastebasket, an oxygen tank mount, a fire extinguisher mount, and a GPS mount.

33. The method of claim 25 further comprising partitioning the interior cavity into at least two compartments by affixing at least one interior wall to the organizing console.

15 34. The method of claim 25 wherein the selecting step further includes selecting an organizer console having a bottom contour adapted to conform to a floor of a cockpit of a selected airplane.

35. The method of claim 25 wherein the selecting step further includes selecting an organizer console having a bottom compartment.

36. The method of claim 35 wherein the bottom compartment includes at least one latchable access door.

5 37. The method of claim 35 wherein the bottom compartment includes an emergency battery module comprising a battery, a drawer, and an access port, wherein the drawer includes a at least one panel adapted to close at least one end of the bottom compartment and wherein the access port is adapted to provide operative access to the battery.